

ABSTRACT

A type of fracture-proof flat clasping floorboard strips is provided. Each of the long and short sides has a slot mortise on one edge and a tenon on the other edge. The two side walls of the slot mortise are long and short ends formed on the two sides of the slot mortise. The upper surface of the slot mortise is parallel to and has the same height with the upper surface of the tenon. A V-shaped groove is formed in the lower surface of the slot mortise, while a convexity is formed on the lower surface of the tenon. The front end of the convexity and the external surface of the slot mortise form an anti-self-locking oblique plane, which forms a first angle with a horizontal plane. The rear end of the convexity fits perfectly with the external side surface of the V-shaped groove to form a self-locking plane, which forms a second angle with a horizontal plane. The tenon and the slot mortise correspond with each other. The above-mentioned strips can be assembled to form a fracture-proof flat clasping flooring with the tenon in one strip inserted into the slot mortise in another strip. The floorboard strips in this invention have the advantages of simple structure and easy production and installation. Because no adhesive is needed to connect the strips, the flooring is safe and environment-friendly. The installed flooring looks good and has a long service life.